

## AMENDMENTS TO THE SPECIFICATION

Please replace paragraph 0001 on page 1 with the following paragraph:

**[0001]** This application is a continuation of prior Application No. 10/228,907, filed August 27, 2002, which claims the benefit of provisional Application No. 60/371,837, filed April 11, 2002.  
Both of the afore-mentioned applications are hereby incorporated herein by reference. This application claims priority from United States Provisional Application 60/371,837, filed 04/11/2002 (MM/DD/YYYY), which is hereby incorporated by reference.

Please replace paragraph 0011 on page 3 with the following paragraph:

**[0011]** Bone Loss: The overwhelming majority of present successful femoral prosthesis achieves fixation at least as far distal as the proximal femoral metaphysis. When these prosthesis fail, the next step usually involves diaphyseal[[.]] fixation, often with a large diameter stiff stem.

Please replace paragraph 0017 on page 4 with the following paragraph:

**[0017]** The foregoing objects are achieved as is now described. The preferred embodiment provides a femoral neck fixation prosthesis and method of using same which reduces bone loss and ~~the~~ avoids the other shortcomings of the prior art by allowing the fixation of a stable femoral head replacement while reducing the amount of the femur which must be reamed for the insertion of the prosthesis. The preferred embodiment provides that the femoral head is attached to a

fixation prosthesis which extends coaxially through the central canal of the femoral neck, into the femur, and is then attached to the opposite lateral wall of the femur. In this manner, the prosthesis serves to imitate the original structure of the femoral neck. No other support members, either crosspins or arms extending into the length of the femur, are required.

Please replace paragraph 0041 on page 9 with the following paragraph:

[0041] Male-male morse taper joining member 115 acts as a joining portion in connecting the body 125 of the prosthesis to the femoral head 110. Adjustments in joining member length will occur in this segment with several lengths of joining member segments available for each femoral body and femoral head. The joining member segment needed to exactly reproduce the center of rotation of the femoral head will be known based on the amount of bone resected. In this embodiment, the joining member 115 has male ~~morse~~more-tapers 135 on each side, and will have a variable-length section in between the morse tapers to fit the specific patient.

Please replace paragraph 0046 on page 10 with the following paragraph:

[0046] While the preferred embodiment has a substantially circular cross-section, as shown in Figures 2A-2C, the body member 225 can also be configured with a triangular (FIG. 2E), scalloped (FIG. 2F), oval (FIG. 2H), or fluted (FIG. 2G) cross-section.